

Leaving No One Behind in Smart Cities

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World Smart Sustainable Cities Organization (WeGO)



- I. Challenges in Cities and Communities**
- II. Key Enablers for Smart Cities**
- III. Role of WeGO**
- IV. WeGO Members' Cases**
- V. WeGO in LLDCs, LDCs, and SIDS**

Challenges in Cities and Communities



Photo credit from left to right: Enabling Technology, Martin Sasse/laif, Indian Express, YNA, TV Centr, The Jakarta Post.

Current Challenges

It's not easy to build smart cities...

- × Political issues
- × Lack of vision and forward planning
- × Lack of awareness of existing solutions
- × Government changing every 4-5 years
- × Weak regulatory framework
- × Funding issues
- × Fragmented or one-off projects
- × Lack of trust from citizens
- × No reliable, accurate data, moreover, no data-driven culture
- × No infrastructure
- × Siloed departments
- × Low digital skills
- × Discrepancies between paper and reality

Different Context, No One-Size-Fits-All

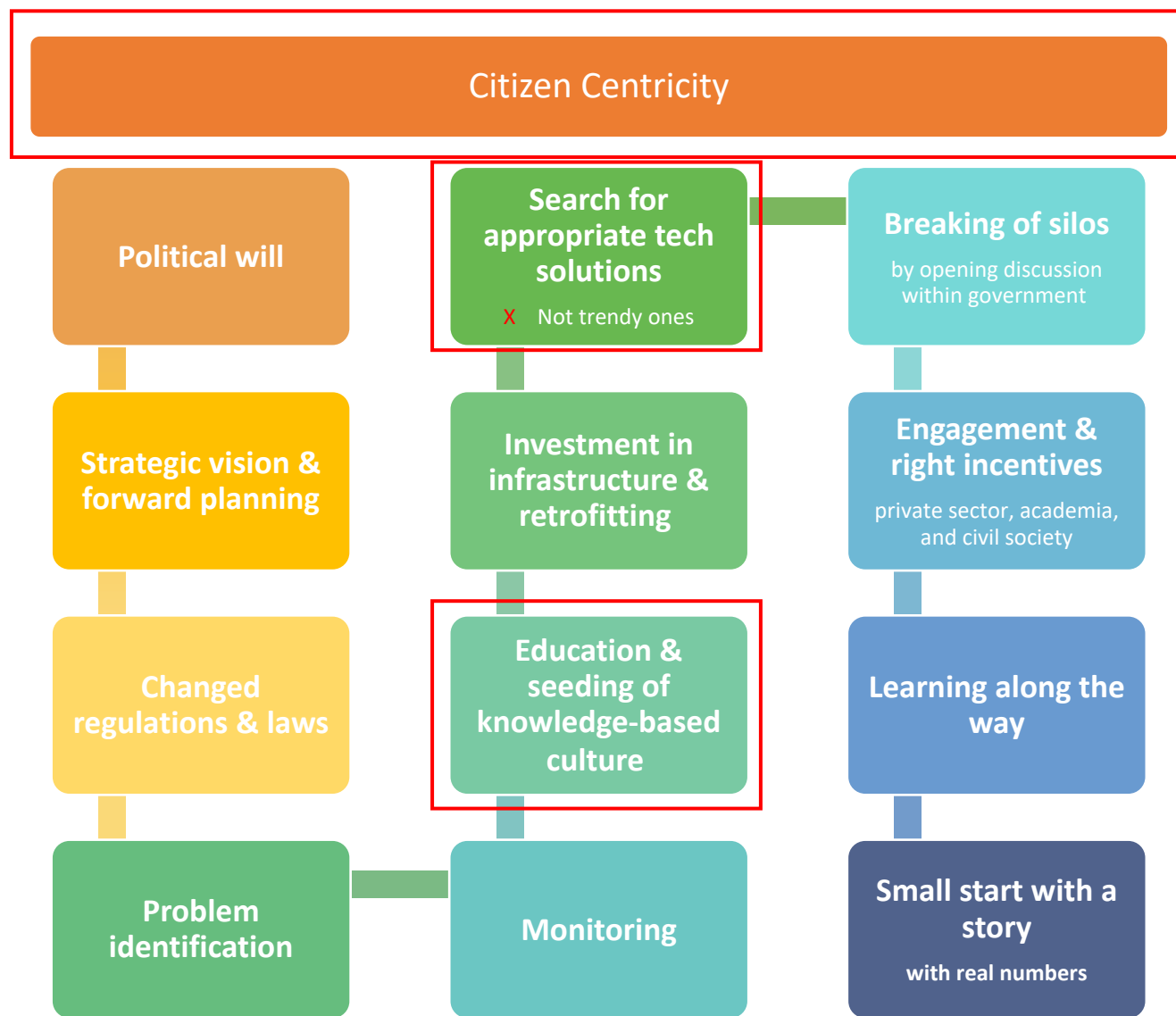
✓ **Personalized Approach**

&

Common Challenges

✓ **Learning Lessons**







SUSTAINABLE DEVELOPMENT GOAL 11

Make cities and human settlements inclusive, safe, resilient and sustainable



VISION

“
Smart Sustainable Cities for All
”

MISSION

- To promote and facilitate the **transformation of cities** to smart sustainable cities worldwide.
- To be a **global platform** for cities to transform into smart sustainable cities.
- To foster **international exchange, cooperation, and networking** among members.

WeGO – World Smart Sustainable Cities Organization

198 Members

149 Local Governments + **31** Corporations + **18** Institutions

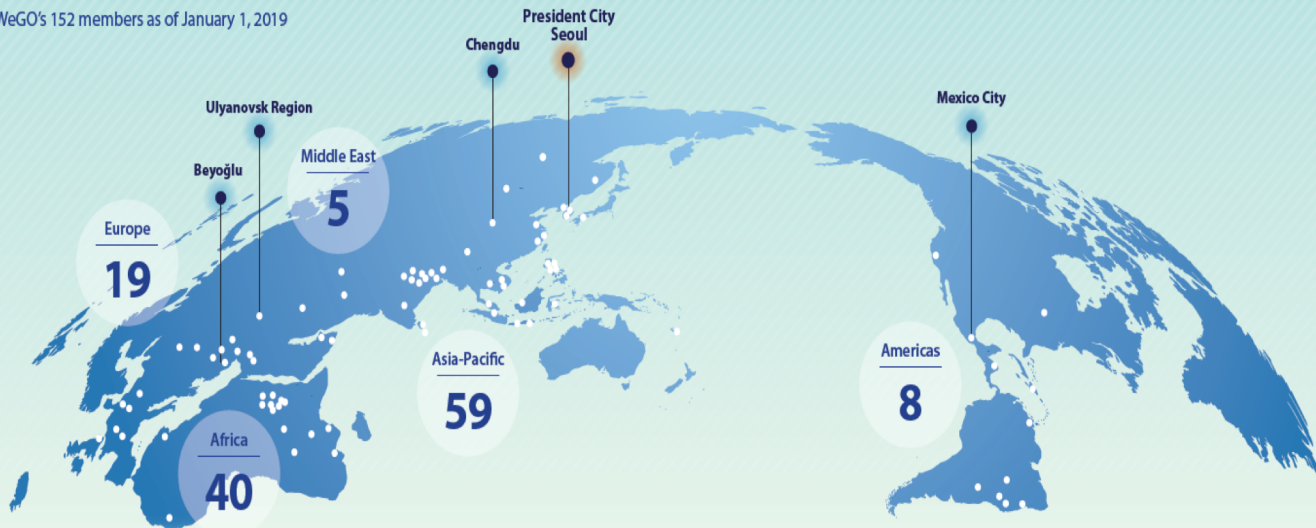
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Smart Sustainable
Cities For All

”

WeGO Members

WeGO's 152 members as of January 1, 2019



Partner Organizations



Organization

President City & Secretariat

Seoul

Executive Vice President City

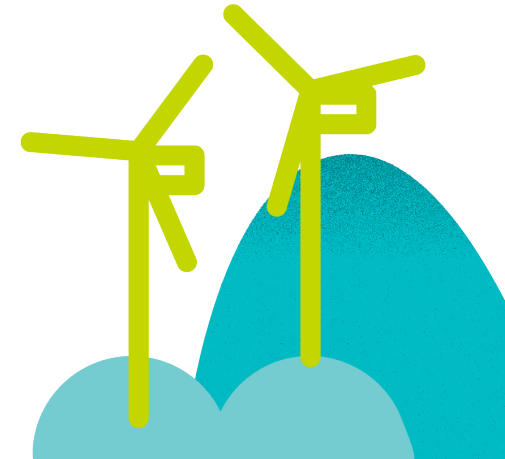
Makati

Vice President Cities

Addis Ababa
Beyoğlu
Ha Noi
Jakarta
Mexico City
Moscow
Ulyanovsk Region

Executive Committee Members

Bucharest | Chengdu | Goyang | Hebron
Khartoum State | Kigali | Nairobi | Pittsburgh
Seberang Perai | Ulaanbaatar



WeGO Member City Cases: Korea

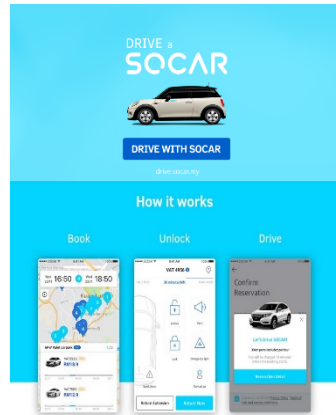
Owl Bus



▲ N37 Night Bus (top center) & its LED panel (bottom center) & the character image of the right bus •Photo Credit: Seoul Metropolitan Government

SEOUL

SOCAR



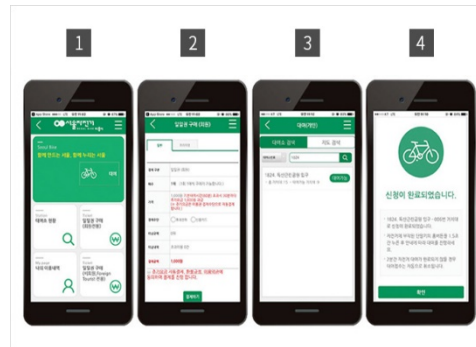
mVoting



120 Dasan Call Center



"Ttareungi"



SEJONG

Solitary Citizens



SEONGNAM

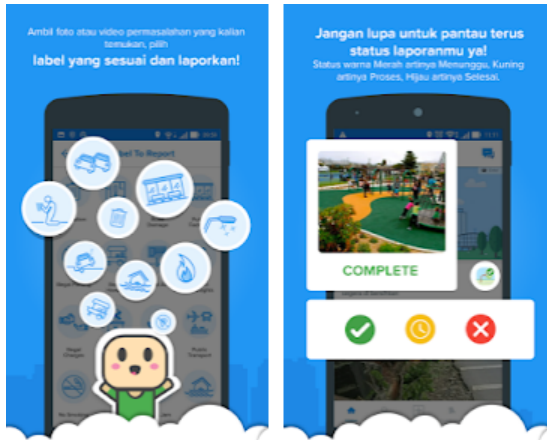
Public Safety



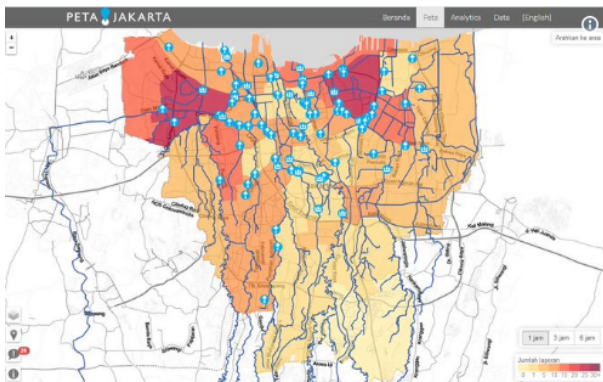
WeGO Member City Cases: Asia-Pacific

JAKARTA

Qlue



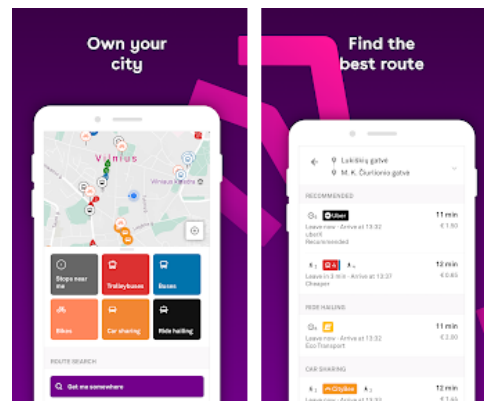
PetaJakarta



Street Lights



Trafi



MAKATI

Makatizen Card



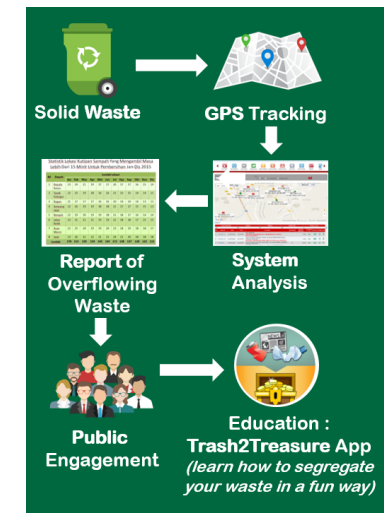
LA UNION

RxBox Telemedicine

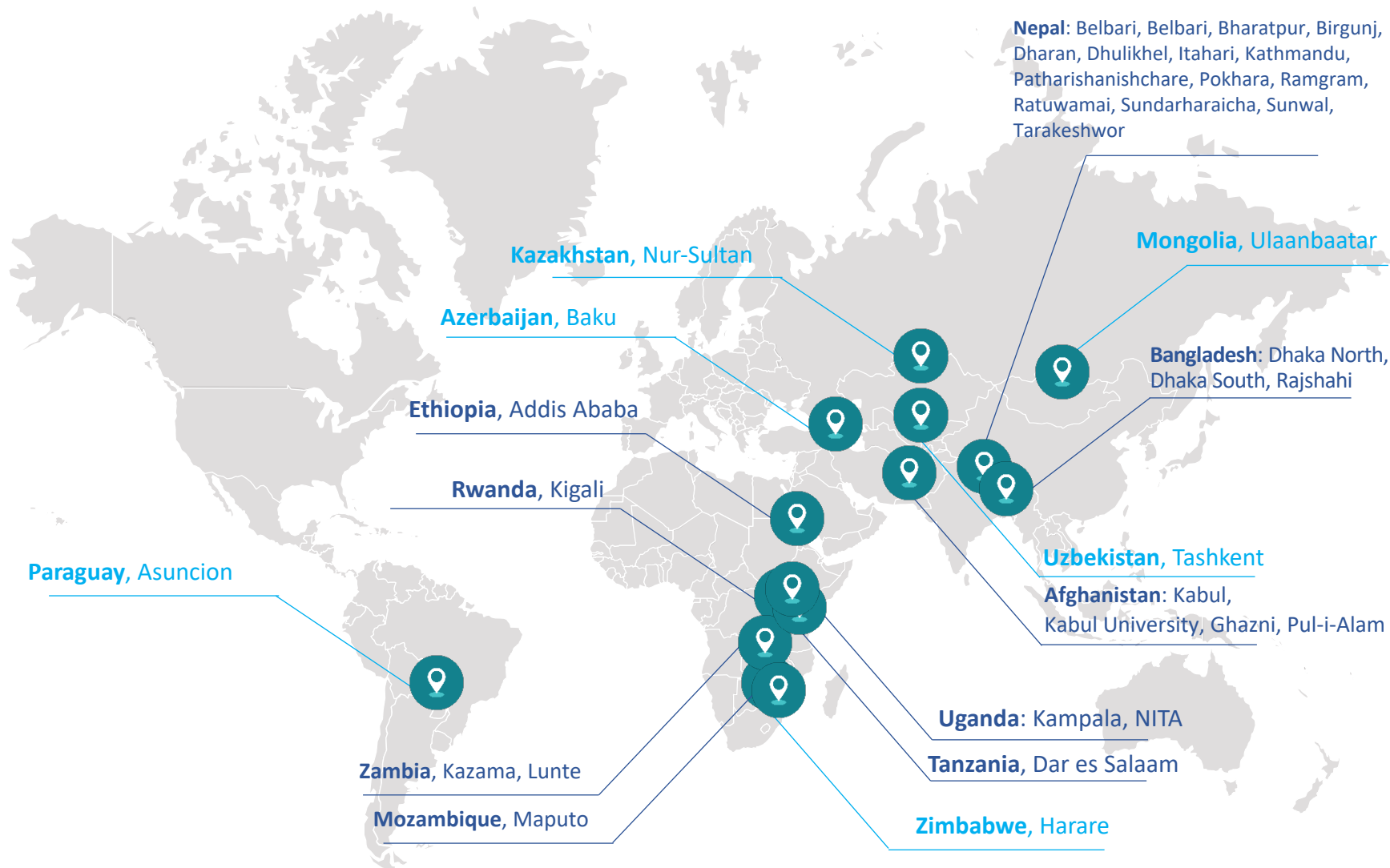


SEBERANG PERAI

IoT and GPS for Solid Waste Mgmt

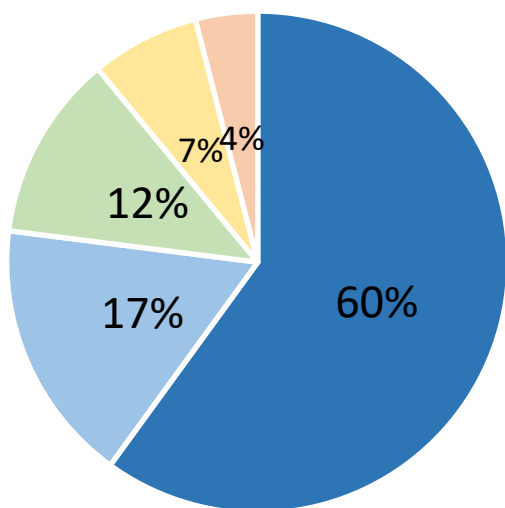


WeGO in LLDC, LDC, and SIDS



WeGO in LLDC, LDC, and SIDS

Needs from WeGO Members



- Government services & systems
- Mobility
- Environment
- Living
- Economy

- City Guide App for Tourism
- E-Services (Vehicle Registry)
- Integrated Data Platform for Decision-Making
- Intelligent Transportation System
- Smart City Master Plan
- Smart Energy Grids (PV, Renewable Energy)
- Solid Waste Management
- Sustainable Public Transportation (EV, PV)
- Video Surveillance for Public Safety

LLDC

- Citizen Participation Platform
- E-Government Systems (incl. Privacy)
- E-Services (Digitization)
- GIS
- Intelligent Transportation System
- Internet Connectivity
- Open Innovation Platform
- Property Data Management System
- Smart Transportation Card
- Smart City Master Plan
- Smart Parking Solutions
- Smart Street Lights
- Smart Tax Payments (Mobile, GIS integration)
- Video Surveillance for Public Safety
- Water Infrastructure

LDC

Our Activities



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- ✓ Feasibility Studies & Pilot Projects
 - ✓ Training Programs
 - ✓ Workshops
 - ✓ Regional Forums
 - ✓ Citypreneurs
 - ✓ Roadshows
 - ✓ Awards

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- ✓ Civic Participation System (CPS)
 - ✓ Smart Sustainable City Guidelines
 - ✓ Smart Sustainable City Projects Catalog
 - ✓ WeGO Quarterly

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- ✓ Executive Committee Meetings
 - ✓ General Assemblies
 - ✓ Regional Workshops & Seminars

WeGO Program: Joint Workshop on SSC & e-Gov

SINCE 2016

132 participants & 101 speakers representing 131 cities & institutions from around the world

✓ COMPREHENSIVE AGENDA

- **Smart Government**

Open Data, e-Government, m-Government, Big Data

- **Emerging Technologies**

AI, Blockchain, Fintech

- **Smart City Areas**

Waste, Water, Energy, Safety, Street Lights, Transportation

- **Citizen Engagement**

Startups, Sharing Economy, Open Innovation

- **Smart Infrastructure**

IoT, Public WiFi

- **Financing Smart City Projects**

International support programs, PPP, startup ecosystem

✓ Consultation with Experts

✓ Visits to Jeju's Smart City Facilities & Project Sites



ORGANIZED WITH



WeGO Program: Seoul SSC Training Programs

SINCE 2014

164 participants representing 104 member cities from around the world



✓ INFORMATIVE

- Seoul's Smart City Policies & Strategies
- Seoul's Smart City Solutions
- Developing a Smart City Master Plan
- Emerging Technologies in Smart Cities
- Cities as Open Innovation Platforms
- Financing Smart City Projects

✓ FIRSTHAND

Visits to Seoul's Smart City
Facilities & Project Sites

✓ INTERACTIVE

Co-design of Action Plans

ORGANIZED WITH



WeGO Program: Technical Assistance

SINCE 2009

13 cities from around the world have received WeGO's technical assistance free of charge

- ✓ **Kampala, Uganda** - Integrated Smart Parking System
- ✓ **Bharatpur, Nepal** – Integrated Smart Parking System
- ✓ Da Nang, Vietnam - Data Analytics for Smart Traffic
- ✓ La Marsa, Tunisia - Smart Waste Management System
- ✓ Seberang Perai, Malaysia - Smart Street Lamp & Traffic Light Monitoring System
- ✓ San Fernando, La Union - Civic Participation System
- ✓ Hanoi, Vietnam - Civic Participation-Based e-Government System
- ✓ **Addis Ababa, Ethiopia** - e-Office System
- ✓ **Dar es Salaam, Tanzania** - Digitalization of Administrative Tasks
- ✓ **Maputo, Mozambique** - Claims & Solid Waste Management
- ✓ **Ulaanbaatar, Mongolia** - Spatial Data Infrastructure (Underground Facilities such as Network, Pipelines and Electricity)
- ✓ Buenos Aires, Argentina - Smart Citizen Service Hub with Smart Card
- ✓ **Dar es Salaam, Tanzania** - e-Government Development Status Report & Recommendations
- ✓ **Kathmandu, Nepal** - e-Government Development Status Report & Recommendations



WeGO Products & Services

WeGO SMART CITIES ACTIVATOR



Discover

One-stop shop for applications for assistance toward smart city projects, matchmaking with strategic partners, and consideration for WeGO Awards.



Plan

Guidance platform for cities in identifying stakeholders and their roles and in planning, executing, monitoring, and evaluating smart city projects.



Exchange

Global directory of smart city projects for case sharing and benchmarking, with direct communication channels to project managers.



What is a smart city?

“Homo Sapiencity”

A happy city for smart people



- Livable and lovable
- Nature-friendly
- Tech-savvy



Everlasting happiness = Sustainability

➔ **Smart Sustainable City**

Smart Cities Around the World

20,000 cities worldwide pursuing to become smart & sustainable...





Thank You



World Smart Sustainable Cities Organization

<http://we-gov.org>